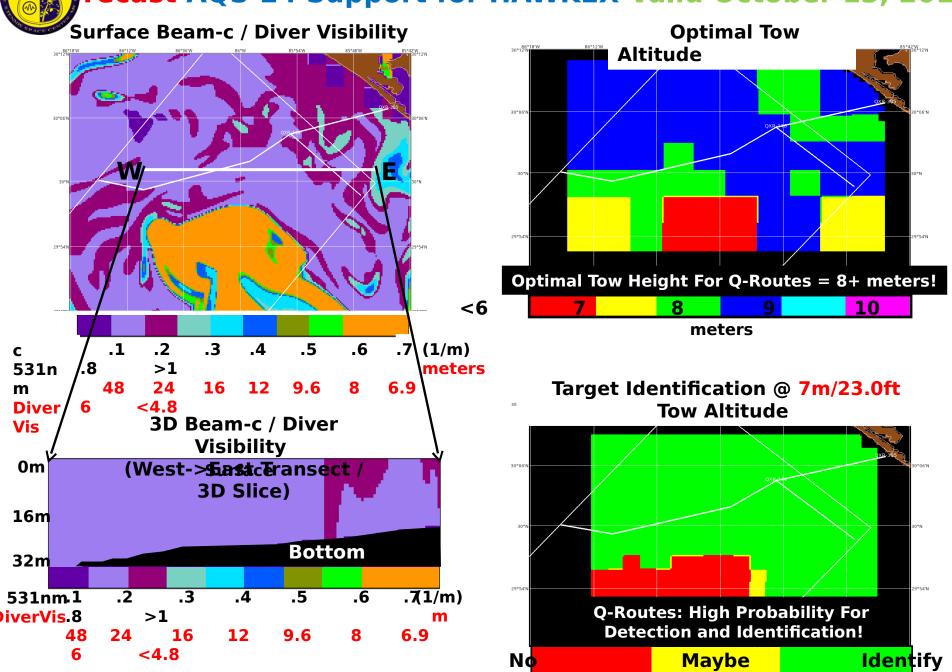
recast AQS-24 Support for HAWKEX Valid October 12, 2013 Surface Beam-c / Diver Visibility **Optimal Tow Altitude Optimal Tow Height For Q-Routes = 8+ meters!** <6 10 meters .3 .4 .5 .6 .7\(1/m) Red areas due to forecast errors! 531n meters 6.9 48 24 16 Target Identification @ 7m/23.0ft m Dive **Tow Altitude** 3D Beam-c / Diver **Vis Visibility** (West->East Transect / 3D 0m Slice) 16m **Bottom** 32m .2 .3 .5 .7(1/m) 531nm.1 .4 .6 Q-Routes: High Probability For >1 iverVis.8 **Detection and Identification!** 48 16 12 9.6 6.9 24 <4.8 Nd Maybe **Identify**

recast AQS-24 Support for HAWKEX Valid October 13, 2013



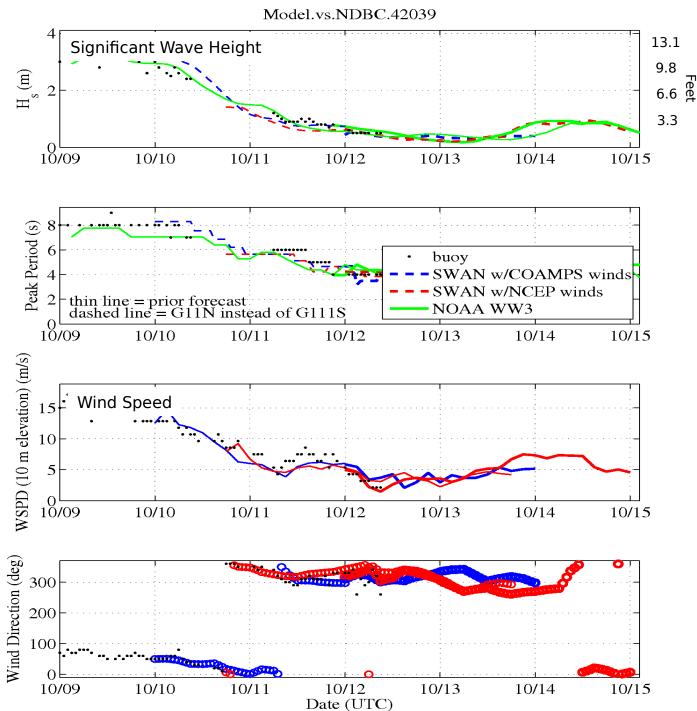


NRL SWAN MODEL Wave & Wind Nowcast/Forecast

Forcing with COAMPS & NCEP Winds

Buoy (Black Dots)



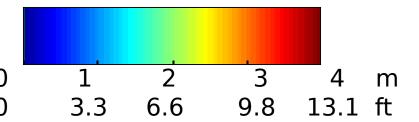


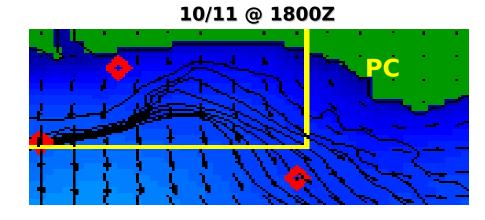


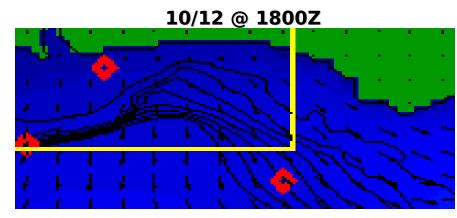
SWAN MODEL Significant Wave Heights Nowcast/Forecast

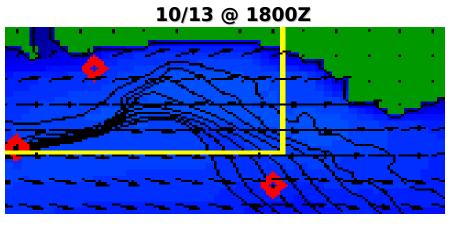
Forcing with NCEP Winds

Current Velocities & Direction (->)









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Positive or Negative
How are products being used?
Changes/Needs/Suggestions